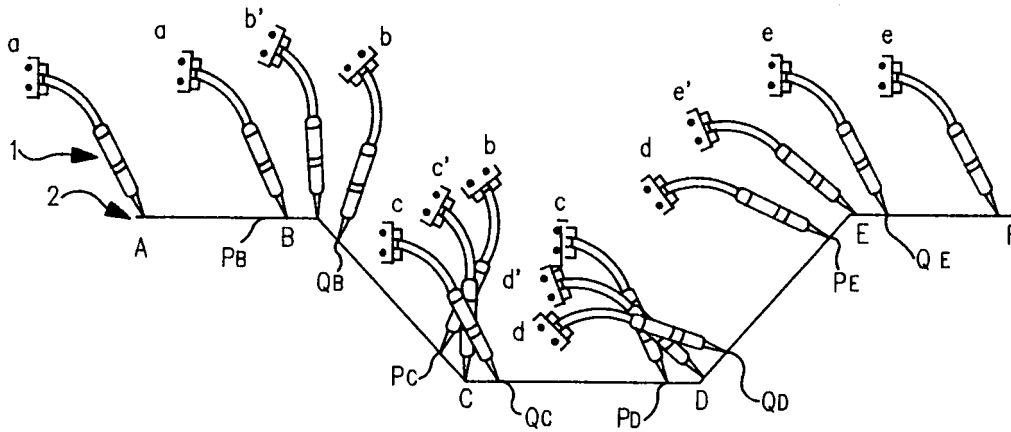
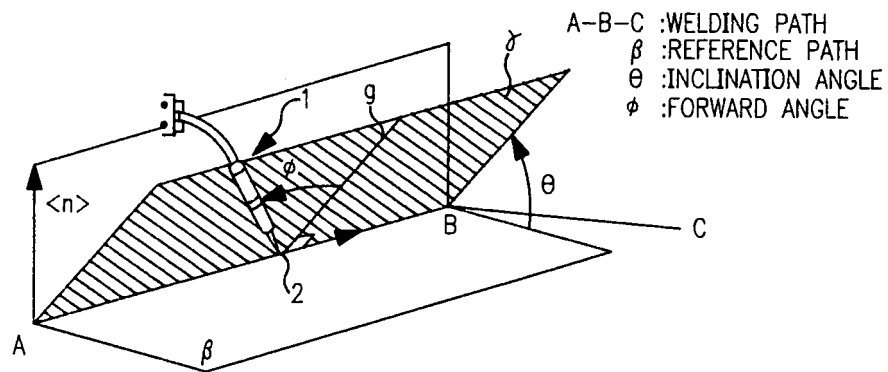


APPROVED	O.G. FIG. 1A, 1B, 1C	
BY	CLASS	SUBCLASS
DRAFTSMAN	395	24, 25, 26

5845053



**FIG. 1**  
PRIOR ART



**FIG. 3**

APPROVED	O.G. FIG. 2A, 2B, 2C	
BY	CLASS	SUBCLASS
DRAFTSMAN	395	97

FIG. 2A

TEACH ROUGHLY BY JOG FEED ONLY POSITIONS A,B...F  
WITHOUT PAYING ATTENTION TO THE ORIENTATION

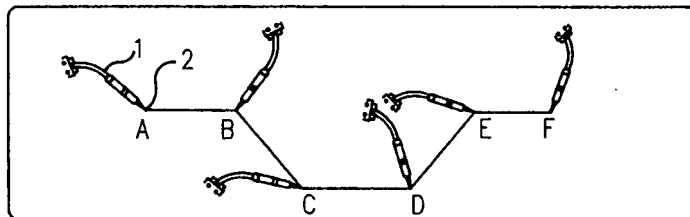


FIG. 2B

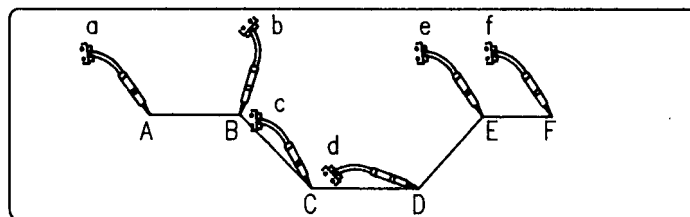
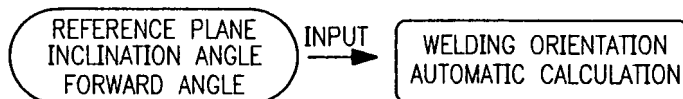
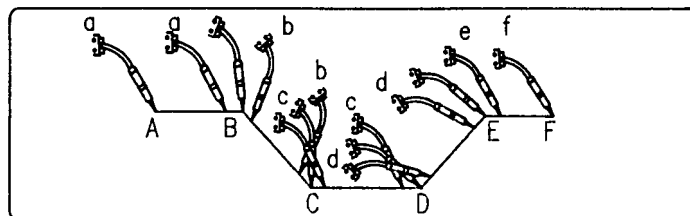


FIG. 2C



ARC WELDING EXECUTION

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

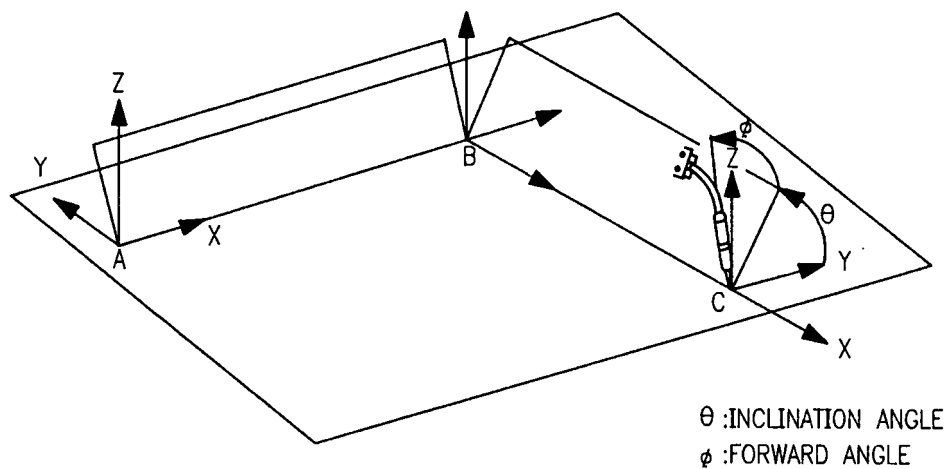


FIG. 4

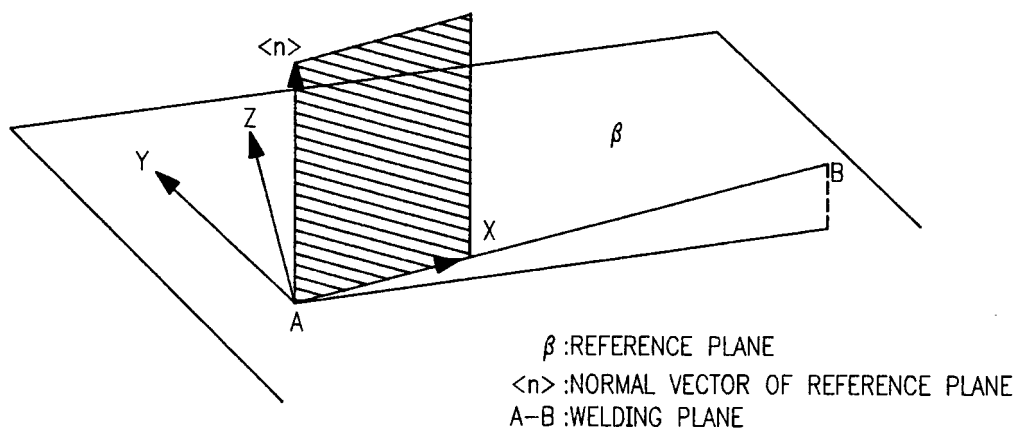


FIG. 5

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

UTILITY/TORCH ORIENTATION/TRANSFORMATION//////////AXIS////50%/
PROGRAM
PAGE 1/4
5/7

1
2
3
4
5
6
7

TRANSFORMATION SOURCE PROGRAM:
SCOPE:
START ROW:
END ROW:
PRODUCED/REPLACED:
PROGRAM DESTINED TO BE TRANSFORMED: (UNUSED)
INSERTION ROW:

[TEST]
PART
34
38
/REPLACED/
[\* \* \* \* \*]
(UNUSED)

PAGE IS CHANGED BY SHIFT + DOWN,SHIFT + UP
[SCREEN]
>

FIG. 6

UTILITY/TORCH ORIENTATION/TRANSFORMATION//////////AXIS////50%/
DIRECT INPUTTING TORCH ORIENTATION
PAGE 3/4
2/6

1
2
3
4
5
6

REFERENCE PLANE TEACHING:
P1:
P2:
P3:
INCLINATED ANGLE:
FORWARD ANGLE:

YES
/TEACHING EXECUTED /
TEACHING EXECUTED
TEACHING EXECUTED
. 00 deg
. 00 deg

PAGE IS CHANGED BY SHIFT + DOWN,SHIFT + UP
[SCREEN]
TRANSFORMATION REFER TO POSITION STORE POSITION>

FIG. 7

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

UTILITY/TORCH ORIENTATION/TRANSFORMATION//////////AXIS////50%/	
POSITION INSERTION	PAGE 4/4 2/6
1 NO. OF POSITIONS :	/2/
2 PITCH LENGTH :	3.00mm
PAGE IS CHANGED BY SHIFT + DOWN,SHIFT + UP	
[SCREEN] EXECUTION	>

FIG. 8

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

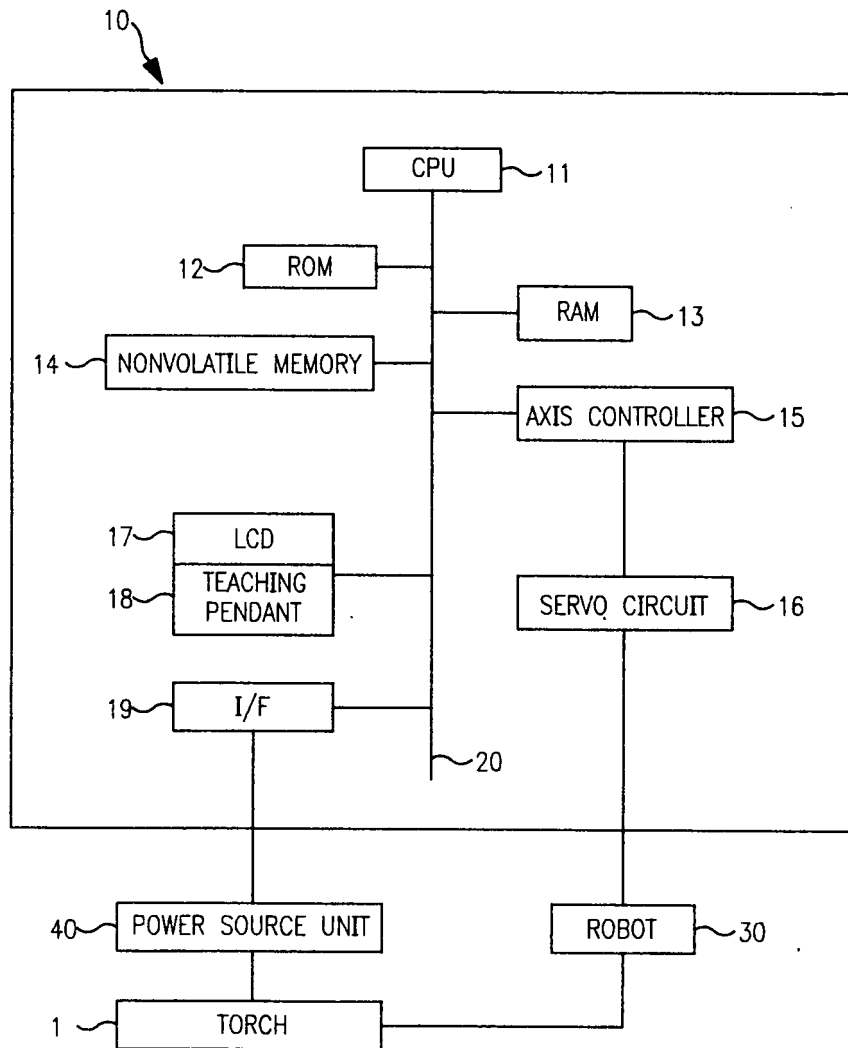
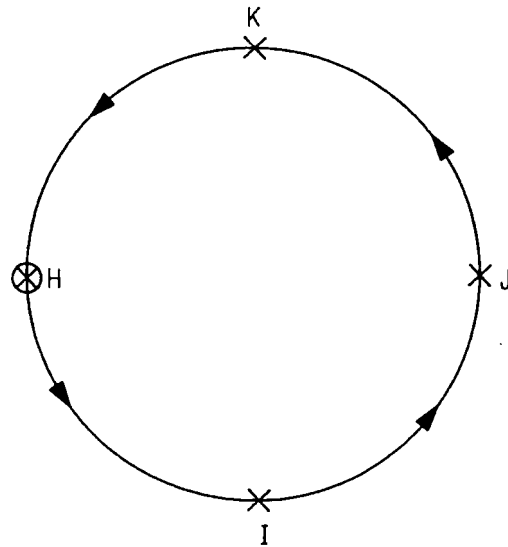
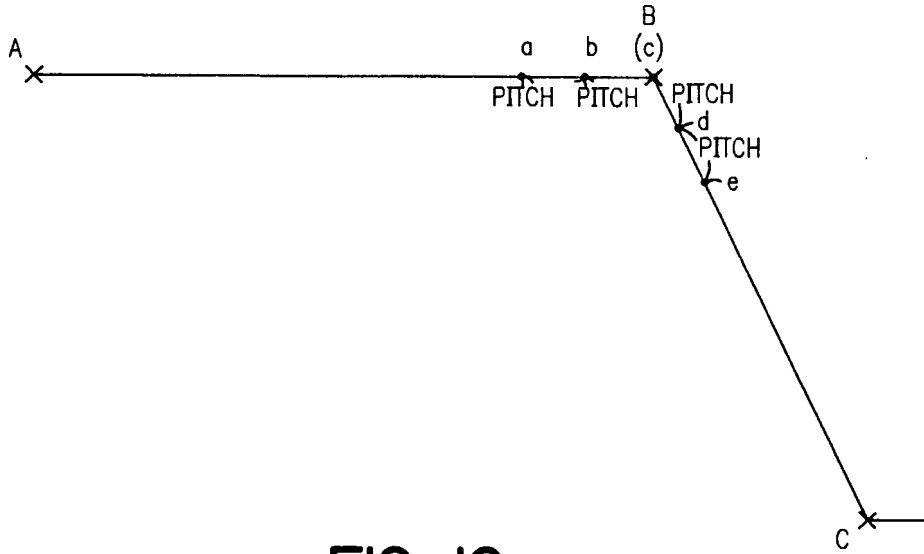


FIG. 9

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

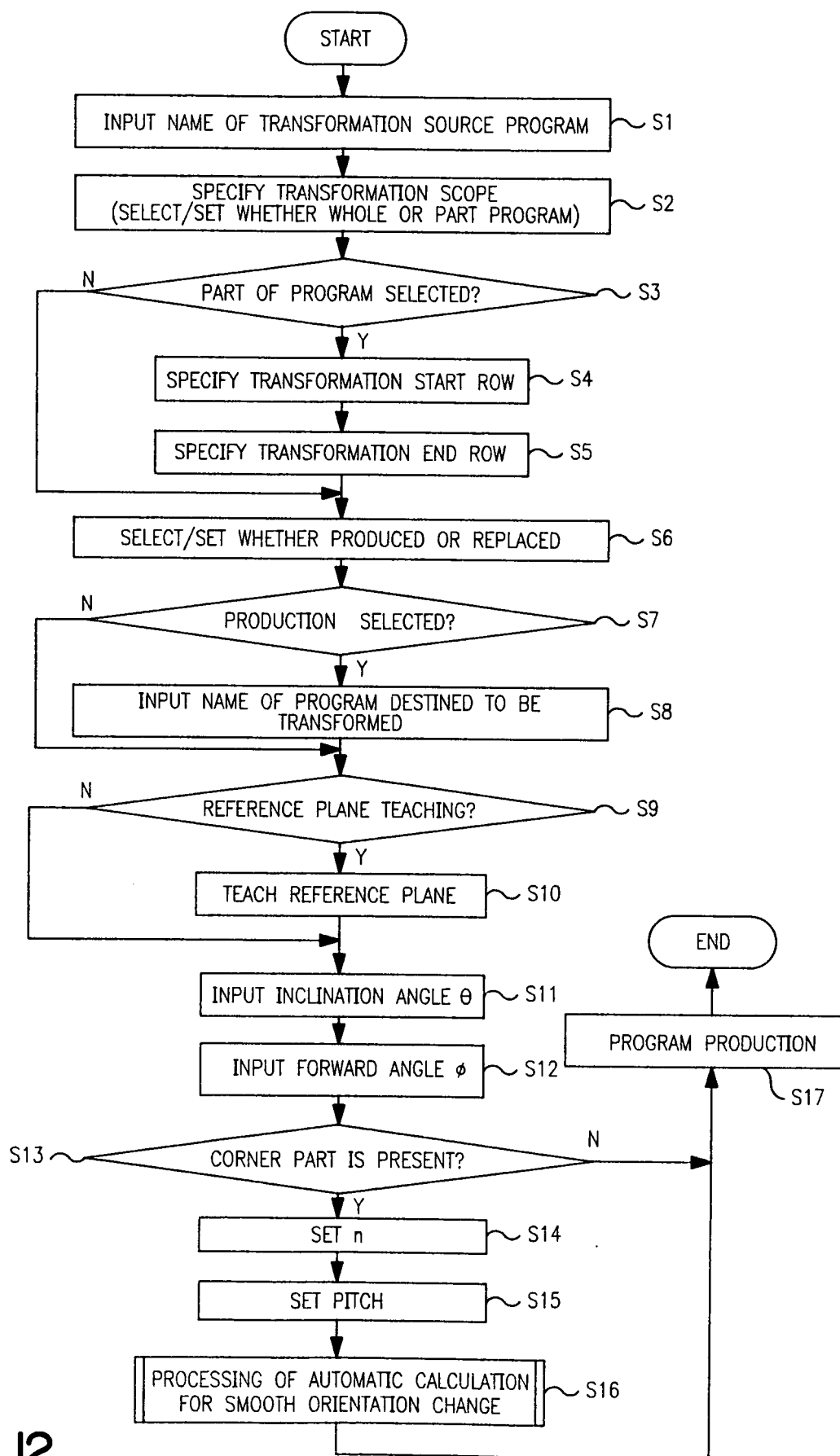


FIG. 12